LISTING OF CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Withdrawn) A power-supply circuit for an in-body information acquiring apparatus, the in-body information acquiring apparatus having a function executing unit that realizes a predetermined function inside a body of a patient, comprising:

a power unit that includes a cell and that outputs a first current and a first voltage; and

a converter that converts the first current to a second current, which is a current required to operate the function executing unit for a predetermined time, and converts the first voltage to a second voltage, which is a voltage required to operate the function executing unit.

2. (Withdrawn) The power-supply circuit according to claim 1, wherein the power unit includes a plurality of cells, and the cells are electrically connected to each other so as to output the first current and the first voltage.

3. (Withdrawn) The power-supply circuit according to claim 2, wherein the cells are connected in parallel.

4. (Withdrawn) The power-supply circuit according to claim 3, wherein the converter is a step-up converter that steps-up the first voltage to the second voltage.

5. (Withdrawn) The power-supply circuit according to claim 4, wherein the step-up converter is a step-up switching regulator circuit.

6. (Withdrawn) The power-supply circuit according to claim 4, wherein the step-up converter is a charge pump.

7. (Withdrawn) The power-supply circuit according to claim 2, wherein the cells are connected in series.

8. (Withdrawn) The power-supply circuit according to claim 7, wherein the converter is a step-down converter that steps-down the first voltage to the second voltage.

9. (Withdrawn) The power-supply circuit according to claim 8, wherein the step-down converter is a step-down switching regulator circuit.

10. (Withdrawn) The power-supply circuit according to claim 8, wherein the step-up converter is a linear regulator.

11. (Withdrawn) The power-supply circuit according to claim 1, wherein the cell is a silver-oxide button cell.

12. (Withdrawn) The power-supply circuit according to claim 1, wherein the cell is a SR726SW cell.

13. (Currently Amended) A power-supply circuit, comprising:

a power unit, the power unit including:

a first power unit that includes a cell that outputs a first current in a current value range in which the larger the current that is drawn from the cell, the smaller the electric discharge capacity of the cell; and

a second power unit that includes a cell and that outputs a second current in a current value range in which the larger the current that is drawn from the cell, the smaller the effective electrical discharge capacity of the cell; and

a switch that selectively connects any one of the first power unit and the second power unit to a load.

14. (Original) The power-supply circuit according to claim 13, wherein

the first power unit includes a plurality of cells, and the cells are connected in series to each other so as to output the first current and the first voltage; and

the second power unit includes a plurality of cells, and the cells are connected in series to each other so as to output the second current and the second voltage.

15. (Original) The power-supply circuit according to claim 13, wherein the cell is a silver-oxide button cell.

16. (Original) The power-supply circuit according to claim 13, wherein the cell is a SR726SW cell.

17. (Withdrawn) An in-body information acquiring apparatus comprising:

a function executing unit that realizes a predetermined function inside a body of a patient;

a power unit that includes a cell and that outputs a first current and a first voltage; and

a converter that converts the first current to a second current, which is a current required to operate the function executing unit for a predetermined time, and converts the first voltage to a second voltage, which is a voltage required to operate the function executing unit.

18. (Withdrawn) The in-body information acquiring apparatus according to claim 17, wherein the function executing unit includes

a sensor that collects information from the inside the body of the patient; and

a communication unit that transmits the information to outside by using wireless communications.

19. (Withdrawn) The in-body information acquiring apparatus according to claim 18, wherein the sensor is an imaging unit that collects image signal corresponding to an image inside the body of the patient.

20. (Currently Amended) An in-body information acquiring apparatus comprising:

a function executing unit that realizes a predetermined function inside a body of a patient; and

a power unit, the power unit including:

a first power unit that includes a cell that outputs a first current in a current value range in which the larger the current that is drawn from the cell, the smaller the electric discharge capacity of the cell; and

a second power unit that includes a cell and that outputs a second current in a current value range in which the larger the current that is drawn from the cell, the smaller the electric discharge capacity of the cell ; and

a switch that selectively connects any one of the first power unit and the second power unit to the function executing unit for a predetermined period.

21. (Original) The in-body information acquiring apparatus according to claim 20, wherein the function executing unit includes

a sensor that collects information from the inside the body of the patient; and

a communication unit that transmits the information to outside by using wireless communications.

22. (original) The in-body information acquiring apparatus according to claim 21, wherein the sensor is an imaging unit that collects image signal corresponding to an image inside the body of the patient.

23. (New) A power supply circuit, comprising:

a power unit, the power unit including:

a first power unit that includes a SR726SW silver-oxide button cell that outputs a current approximately equivalent to 5 mA;

a second power unit that includes a SR726SW silver-oxide button cell that outputs a current approximately equivalent to 5mA; and

a switch that selectively connects any one of the first and the second power units to a load for a predetermined time period.

24. (New) An in-body information acquiring apparatus, comprising:

a function executing unit that realizes a predetermined function inside a body of a patient; and

a power unit, the power unit comprising:

a first power unit that includes a SR726SW silver-oxide button cell that outputs a current approximately equivalent to 5 mA;

a second power unit that includes a SR726SW silver-oxide button cell that outputs a current approximately equivalent to 5mA; and

a switch that selectively connects any one of the first and the second power units to a the function executing unit for a predetermined time period.